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INDEX

GARDNER'S NURSERIES

KENNEWICK
WASHINGTON



CONDENSED
CATALOGUE
AND
PRICE LIST

SEASON
1920 - 1921

NURSERIES AT
KENNEWICK and
RICHLAND

Gardner's Nurseries

Kennewick, Wash.

Condensed Catalogue and Price List

SEASON 1920-1921

Introductory

In preparing this booklet we have endeavored to eliminate non-essentials and to place in the hands of the prospective grower or planter in a condensed form the information most generally desired in making new orchard plantings or increasing older ones, or beautifying the grounds and lawn. As we cater especially to Yakima Valley trade, we have emphasized those varieties most suited to this section, although most of them are suitable for the greater part of the Pacific Northwest. We wish especially to urge upon your consideration that we will gladly supply additional information desired, at any time, and will send our personal representative to confer with you, whenever desired, with reference to prospective plantings.

PRICES quoted herein are for the current season, and are as low as good stock can be supplied at this time. Patrons should bear in mind that production costs are at an unprecedented scale, and under present day conditions former price scales are not possible in any line of endeavor.

TERMS ARE—Ten per cent of order in cash with order; balance at time of delivery. Orders under \$5.00, cash with order.

We guarantee all stock true to name and label, and free from disease, and to reach the customer in good condition. Any stock that proves otherwise, we will replace or refund the purchase price paid. It is agreed between the purchaser and ourselves that no further recourse for damages may be had on us.

Mistakes, if they occur, must be reported promptly by the purchaser, and any stock not arriving in good condition should not be accepted by purchaser from transportation company without a notation on shipping receipt.

We pay freight, express or parcels post on all shipments in the state of Washington.

We find the parcels post very satisfactory for all small orders, as it takes the article to your door in most cases. Always give exact postoffice address when writing.

We give as reference the Security State Bank of Richland, Wash., and the First National Bank of Kennewick, Wash.

Distances and Methods of Planting—It is impossible to give a hard and fast rule for distances for planting any tree. The methods of farming to be employed, soil, water, elevation, and other conditions of environment, and other reasons, must be considered. As a general rule, plant close for heavier quick returns, and farther apart for more permanent planting. The most common practice in the valley is 30 feet for apple and 20 feet for all other fruits. The number of plants required to the acre for each distance may be computed by multiplying the distance between rows by the distance in the row and dividing 43,560, the number of square feet in an acre, by the product.

A table given below shows the number required for many of the common distances.

Diagonal or hexagonal planting gives about one-seventh more trees per acre with the same distance between trees, but is not used as much as formerly because it does not permit as wide distances between rows for handling alfalfa and spray rigs.

Distance	Square	Hexagonal	Distance	Square	Hexagonal
8 ft.	680	785	24 ft.	75	87
10 ft.	435	500	25 ft.	70	80
12 ft.	302	349	26 ft.	64	74
14 ft.	222	255	28 ft.	56	64
16 ft.	170	196	30 ft.	48	55
18 ft.	135	154	32 ft.	43	49
20 ft.	109	124	36 ft.	34	39
22 ft.	90	87	40 ft.	27	31

Note.—All of these figures are not exact for planting one acre, but are intended for the planting of a multiple of acres.

Laying Off a Field for Orchard—There are nearly as many methods in vogue as there are planters, but for medium to large plantings where the field is not obstructed by older trees the following method is a favorite with us. Decide on a base line, which should be a fence, road or other straight line forming one side of the orchard. Measure off the distance from this line it is desired to place the first row, and mark same by a stake at each end, one of which should represent the corner tree of the new orchard. With a carefully made measuring pole of the correct length, lay off this first row, driving a stake for each tree. Cast off a right angle to start the first end row. Lay it and the other end row off in the same way, and then lay off the last row, the opposite side of the field from the base line. When the four corners are thus established, sight in all the intervening stakes in these four rows which thus bound the field, using care in moving a stake to keep it parallel to its former position, or measuring to correct small errors, if any. Ignore jutting triangular or other irregularities until main field is planted, when they can be easily filled in.

Stretch a new No. 14 wire without splices across the field, at one end, draw it reasonably tight along the row of stakes. Fasten each end firmly to a stake driven in the ground just back of corner stake. With a small soldering outfit drop a small drop of the solder on the wire at each stake position, measuring the wire with the measuring pole for accuracy. You are now ready to begin planting trees, and the hole for each tree may be dug and the tree planted while the wire remains in position.

When the row is completed, move the wire one row and repeat, using the second side stake at each end to establish the two end positions for the second row. Use care to always set the tree on the same side of wire. A little paint may be used in place of the solder if time is allowed for it to dry. Be sure that the roots of every tree are protected at all times by water or moist earth. Keep them heeled in until needed.

A small tract may best be staked off with a stake for each tree, measured off and sighted into line both ways, and a planting board used, which is a 3-foot piece of 1x4 lumber with a notch in each end and one at the middle of one side. The board is laid with the middle notch against the stake, staked at both ends and removed, and the hole dug, then the board replaced, when the two end stakes will regulate the position of the board so that the tree will come in the same place that was occupied by the stake.

At time of planting, cut every root of the tree, to clean new tissue, to stimulate new growth, and prune the top back to 20 to 24 inches high, shortening in any limbs that are present. The tree should be planted slightly deeper than it stood in the nursery, and the dirt solidly packed about the roots. In using water in planting, the best practice is to apply it after the hole is about half filled with dirt and then permit it to soak away before completing the filling. At the first irrigation it is important to run the water clear to the tree trunks, so as to fill any small air spaces left inadvertently, and afterwards cultivate or hoe well.

As a general recommendation we suggest that in most cases it pays best to plant standard varieties, thus helping to solve your most important problem, that of marketing. While we can supply many varieties besides those listed, we do not as a rule recommend them in this latitude, except for family use in small numbers. Many of them do very well here, but a shorter list of sorts should be the aim of the commercial grower.

Landscaping and Ornamental Plants—We have made a careful study of the principles of landscape work in their application to this district and are prepared to make recommendations to fit your particular case upon receipt of inquiry with description. Most of our shrubs and flowers are specially selected types that do well here.





**RELIABILITY
PROMPT SERVICE
PRICES REASONABLE**

FRUIT DEPARTMENT

APPLES

	Each	Dozen	100
1 year old, 3 to 4 feet	\$1.00	\$9.00	\$65.00
1 year old, 4 to 6 feet	\$1.25	\$12.00	\$75.00

SUMMER

Yellow Transparent
Red Astrachan

✓ Red June

FALL

Autumn Strawberry
Duchess of Oldenburg
Fameuse, or Snow

✓ Gravenstein
✓ Jeffries
✓ Liveland Raspberry

WINTER

Arkansas Black
Delicious
Grimes Golden
Jonathan
Rome Beauty
Spitzenberg
Stayman Winesap

✓ Tallman Sweet
✓ Winter Banana
✓ Winesap
✓ White Winter Pearmain
✓ Wagener
✓ Yellow Newton Pippin
✓ Yellow Bellflower

PEARS

Price same as apples

SUMMER

Bartlett

✓ Clapps Favorite

AUTUMN

Doyenne du Comice
Flemish Beauty

✓ Beurre d'Anjou
✓ Buerre Bosc

WINTER

Winter Nelis

✓ Patrick Barry

CHERRIES

	Each	Dozen	100
1 year old, 4 to 6 feet	\$1.50	\$15.00	\$100.00

SWEET VARIETIES

Royal Ann
Bing
Lambert

✓ Black Republican
✓ Black Tartarian
✓ Governor Wood

DUKES AND MORELLOS

May Duke
Late Duke

✓ Early Richmond
✓ Montmorency

500 and Up at 5 per cent Discount from 100 rates
1,000 or More at 10 per cent Discount from 100 rates.

No Discount on Cherries.

PLUMS

Prices same as apples.

Peach Plum	✓ Blue Damson
Bradshaw	✓ Yellow Egg
Coe's Golden Drop	

JAPANESE SORTS

	Each	Dozen	100
1 year old, 4 to 6 feet	\$.85	\$8.50	\$60.00
Burbank	✓ Satsuma		

PRUNES

Hungarian	✓ Italian
Petite d'Agen	✓ Sugar
Silver	

PEACHES

Prices same as apples except Gold Medal, as follows:

	Each	Dozen	100
Alexander	\$1.50	\$15.00	\$100.00
Hale's Early	✓ Tuscan Cling		
Salway	✓ Malta, or Muir		
Slappy	✓ Elberta		
Early Crawford	✓ Philips		
Late Crawford	✓ J. H. Hale		
	✓ Gold Medal		

NECTARINES

Boston	New White
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APRICOTS

Prices same as apples.

Royal	✓ Blenheim
Moorpark	✓ Hemiskirk

QUINCES

	Each	Dozen
1 year old, 3 to 4 feet	\$1.25	\$12.00
Champion	✓ Orange	
Pineapple		

MULBERRIES

	Each	Dozen
RUSSIAN		
2 year old, 4 to 6 feet	\$1.00	\$10.00

NUT TREES**ALMONDS**

Prices same as apples.

I X L	✓ Nonpareil
Dayton	✓ Texas

500 and up at 5 per cent Discount from 100 rates.

1,000 or More at 10 per cent Discount from 100 rates.

No Discount on Cherries.

WALNUTS

	Each	Dozen
Black Walnut, 2 years, 3-4 ft.	\$1.00	\$10.00
Black Walnut, 2 years, 4-6 ft.	\$1.25	\$12.50
Butternut, 3 years, 3-4 ft.	\$1.25	\$12.50
English Walnut, 2 years, 3-4 ft.	\$1.50	\$15.00
English Walnut, 2 years, 4-6 ft.	\$2.00	\$20.00
Franquette		

CHESTNUT

	Each	Dozen
American Sweet, 2 years, 3-4 ft.	\$1.00	\$10.00
American Sweet, 2 years, 4-6 ft.	\$1.25	\$12.50

GRAPES

Write for prices on thousand lots.

	Each	Dozen	100
2 year old	\$.40	\$4.00	\$25.00

AMERICAN VARIETIES

Agawam	Moore's Early
Concord	Niagara
Delaware	Worden

EUROPEAN VARIETIES

Black Prince	Muscat of Alexander
Flame Tokay	Chasselas Musk
White Sweetwater	

GRAPES, SPECIAL SORTS

	Each	Dozen	100
Campbell's Early, extra good	\$.50	\$5.00	\$35.00

BERRIES

BLACKBERRIES

	Each	Dozen	50	100
Lawton	\$.25	\$2.50	\$7.50	\$12.50
Mersereau	.30	3.00	10.00	15.00
Evergreen	.40	4.00	12.50	20.00
Mammoth	.40	4.00	12.50	20.00
Himalaya Giant	.40	4.00	12.50	20.00

RASPBERRIES

	Each	Dozen	100
Kansas Blackcap		\$2.50	\$10.00
Cuthbert, red		2.50	10.00
St. Regis, red new everbearing		3.05	20.00
Loganberry	Each	Dozen	50
	\$.40	\$4.00	\$14.00
			100
			\$25.00

DEWBERRY

	Each	Dozen	100
Lucretia	\$.30	\$3.00	\$10.00

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GOOSEBERRIES

	Each	Dozen	100
Oregon Champion, best of all	\$.35	\$3.50	\$15.00

CURRENTS

	Each	Dozen
White Grape	\$.35	\$3.50
Fays Prolific, red	.35	3.50
Lees Prolific, black	.35	5.00
Perfection, red, new, extra good	.50	5.00

STRAWBERRIES

	50	100	1000
Hood River		\$2.00	\$12.00
New Oregon Improved		3.00	15.00
Gold Dollar		3.00	20.00
Superb everbearing	\$2.00	3.00	20.00
Progressive, everbearing	2.00	3.00	20.00

Strawberry plants shipped in Spring only. Fall Planting is unsatisfactory. 25% cash with order, balance C. O. D. prepaid express or mail. We find it unsatisfactory to ship with tree orders by freight.

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MISCELLANEOUS

	Each	Dozen	100
Rhubarb	\$.40	\$4.00	\$25.00
Horseradish	.35	3.50	20.00
Asparagus, per 1000—\$10.00		1.50	4.00

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ORNAMENTAL DEPARTMENT

All our ornamental trees, flowering shrubs, etc., are once or more times transplanted and should not be compared with stock taken from the seedling row. We send out nothing but first class, well-rooted, straight trees.

	Each	Dozen	50	100
Birch European, white, 6-7 ft.	\$1.00	\$10.00		
Birch European, 7-8 ft.	1.25	12.50		
Catalpa Bungeii, grafted, 56-6 ft.				
heads	3.00	30.00		
Catalpa Speciosa, 5-6 ft.	.85	8.50		
Catalpa Speciosa, 6-7 ft.	1.00	10.00		
Crab Bechtel fl dbl pink, 4-5 ft.	1.25	12.50		
Elm American, 6-7 ft.	1.00	10.00		
Elm American, 7-8 ft.	1.25	12.50		
Elm English, 5-6 ft.	1.00	10.00		
Elm English, 6-7 ft.	1.25	12.50		
Horsechestnut, 4-5 ft.	1.00	10.00		
Horsechestnut, 9-10 ft. 2 in.	2.50	25.00		
Locust, black, 5-6 ft.	.50	5.00	20.00	35.00

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Locust, black, 7-8 ft.	.65	6.50	25.00	45.00
Locust, black, 8-9 ft.	.85	8.50	30.00	55.00
Locust, black, 3 yr., 9-10 ft.	1.00	10.00	35.00	65.00
Mt. Ash, European, 6-7 ft.	1.00	\$10.00		
Mt. Ash, European, 8-9 ft.	1.25	12.50		
Maple, soft or silver, 5-6 ft.	.65	6.50	.250	40.00
Maple, soft or silver, 5-6 ft.	.65	6.50	22.50	40.00
Maple Sycamore, 9-10 ft.	1.75	17.50	55.00	100.00
Maple Sycamore, 1½-1¾ inch calibre	2.00	20.00	65.00	125.00
Maple Sycamore, 1¾-2 inch calibre	2.50	25.00	85.00	
Maple Norway, 9-10 ft.	1.75	17.50	55.00	100.00
Maple Norway, 1½-1¾ inch calibre	2.00	20.00	65.00	125.00
Maple Norway, 1¾-2 inch calibre	2.50	25.00		
Poplar Carolina, 5-6 ft.	.45	4.50	16.00	30.00
Poplar Carolina, 7-8 ft.	.60	6.00	22.50	40.00
Poplar Carolina, 9-10 ft.	.85	8.50	27.50	50.00
Prunus Pissardi, purple foliage and fruit, 4-6 ft.	1.25	12.50		
Sycamore, Oriental Plane, 9-10 ft.	1.50	15.00		
Sycamore, Oriental Plane, 1½-1¾ inch calibre	2.00	20.00	65.00	125.00
Sycamore, Oriental Plane, 1¾-2 inch calibre	2.50	25.00	80.00	150.00
Sycamore, Oriental Plane, 2-2½ inch calibre	3.50	35.00	125.00	225.00
Thorn Pauls Scarlet flowering, grafted 2 yr., 6-7 ft.	1.50	15.00		

WEEPING TREES

	Each	Dozen
Birch, Cutleaf weeping, 6-7 ft.	\$1.75	\$17.50
Birch, Cutleaf weeping, 7-8 ft.	2.00	20.00
Willow, Wisconsin, 5-6 ft.	1.00	10.00
Willow, Wisconsin, 7-8 ft.	1.25	12.50

EVERGREENS

	Each	Dozen
Arborvitae, American, 18-24 inch	31.25	\$12.50
Arborvitae, pyramidall, 18-24 inch	2.50	25.00
Spruce Norway, 15-18 inch	1.75	17.50
Spruce Koster, blue, grafted 15-18 inch	3.00	
All evergreens are balled in burlap and handled in best possible manner to insure growth.		
Oregon Grape, 12-15 in.		\$.75 \$7.50

HEDGE PLANTS

	Dozen	100	500	1000
Arborvitae, American, 10-12 in.	\$3.50	\$20.00	\$85.00	\$150.00
Berberry, purple leaf, 2-3 ft.	3.00	17.50		
Berberry T Japanese, 18-24 ft.	2.50	15.00	65.00	
Berberry, Japanese, 2-3 ft.	3.00	17.50	75.00	135.00
Privet, English, hardy, 15-18 inch	1.75	10.00	45.00	80.00

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HARDY FLOWERING SHRUBS

		Each	Dozen
Althea Admiral Dewey, double white	2-3 ft.	\$.75	\$ 7.50
Althea Elegantissima, white and pink	2-3 ft.	.75	7.50
Althea Rubra, red, double	2-3 ft.	.75	7.50
Berberry, purple leaf	2-3 ft.	.50	5.00
Berberry T Japanese	2-3 ft.	.50	5.00
Deutzia Crenata	2-3 ft.	.75	7.50
Deutzia Gracilis, dwarf	15-18 in.	.75	7.50
Hydrangea Arborescens	2-3 ft.	.75	7.50
Hydrangea P. G.	2-3 ft.	.75	7.50
Honeysuckle, bush, red	2-3 ft.	.75	7.50
Lilac, purple, common	3-4 ft.	.75	7.50
Lilac, white, common	2-3 ft.	.75	7.50
Philadelphus, mock orange	2-3 ft.	.75	7.50
Quince, Jap flowering red	2-3 ft.	.75	7.50
Snowball	3-4 ft.	1.00	10.00
Snowball, H B Cranberry	3-4 ft.	1.00	10.00
Spirea, A waterer	15-18 in.	.75	7.50
Spirea Opulifolia aurea	2-3 ft.	.75	7.50
Spirea, Prunifolia	2-3 ft.	.75	7.50
Spirea, Tunbergi	15-18 in.	.75	7.50
Spirea, Van Houtte	2-3 ft.	.75	7.50
Weigela, Candida, white	2-3 ft.	.75	7.50
Weigela, Eva Rathke, red	2-3 ft.	1.00	10.00
Weigela, Rosea, pink	2-3 ft.	.75	7.50

VINES AND CREEPERS

Ampelopsis, Virginia creeper, 2 yr. plants	\$.75
Ampelopsis, Boston Ivy, 3 yr. plants	1.00
Ampelopsis, English Ivy, 3 yr. plantss	1.00
Clematis Paniculata, 2 yr. plants	.75
Clematis, Henryii, large white, 2 yr. plants	1.00
Clematis, Jackmani, large purple, 2 yr. plants	1.00
Clematic, Mad E Andre, red 2 yr. plants	1.00
Honeysuckle, Halleana, frag, 2 yr. plants	.65
Trumpet, flower, 2 yr. plants	.75
Wistaria, white, 2 yr. plants	.75
Wistaria, purple, 2 yr. plants	.75

ROSES

When you buy our Roses you get with them permanent satisfaction. This satisfaction is based on the fact that our Roses are grown on own roots. They grow and bloom, year in and year out. If you want the best, buy own-root roses, not budded plants. Our selection is of the best.

HYBRID PERPETUALS

	Each	Dozen
2 year old	\$.75	\$ 7.50
Black Prince.		
American Beauty (Madam Ferdinand Jamin), red.		
Black Prince, red.		
Champion of World, red.		
Frau Karl Druschki (Snow Queen, white American Beauty).		
General Jacqueminot, red.		
J. B. Clark, red.		
Prince Camille de Rohan, red.		
Virginia R. Cox. Grusan Teplitz, red.		

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HYBRID TEAS

	Each	Dozen
2 year old	\$.75	\$7.50
Double Pink Killarney.		
Double White Killarney.		
Duchess of Albany (Red La France).		
Etoile de France, red.		
General McArthur, red.		
Helen Gould, red.		
Jonkheer. J. L. Mock, pink.		
Kaiserin Augusta Victoria.		
La France, pink.		
Madam Caroline Testout, pink.		
Madam Melanie Soupert, salmon tint.		
Mrs. Aaron Ward, salmon tint.		
Perle von Godesburg (yellow Kaiserin A Victoria).		
Rhea Reid.		
White La France (Augustine Guincoisseau).		
Irish Fireflame.		
Sunurst, salmon tint.		
Ophelia. salmon tint.		

CLIMBERS

	Each	Dozen
2 year old	\$.75	\$7.50
Apple Blossom (Empress of China), pink.		
Climbing Baby Rambler (Miss G. Messman), red.		
Crimson Rambler, red.		
Dorothy Perkins, pink.		
Tausendschoen.		
Climbing American Beauty, red.		
Marshal Neil, yellow.		
Climbing Sunburst, salmon tint.		

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Memorandum

From

Address

U. S. Department of Agriculture,
Office of Entomology.

Fee for service inc., \$300.

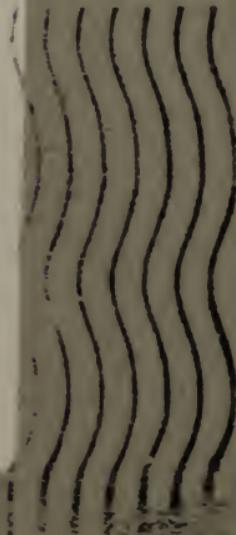
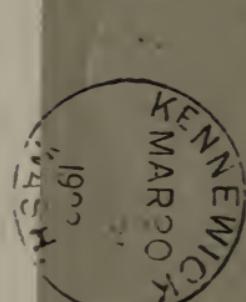
U. S. DEPARTMENT OF AGRICULTURE,

WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY,
Horticultural and Pomological Investigations.

M. R. N.

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